T5 Elite Data Collector

User Manual

REV 2.1

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Chapter I　　Product Parts List

NAME	quantity	unit
T5 Data acquisition device hosts	1	Set
Base station (some models optional)	1	Set
Data cable	1	Piece
Warranty card	1	Piece
User manual	1	Piece

Note
Certain features in this device depend on the device specific configuration, please purchase when comparison configuration model, the use of this product. On the features and functionality of the device described in the user manual and instructions, as well as other information are current and valid information, and all information is accurate at the time of printing.　Shen Zhen NETCOM electronics limited reserves the right to correct or change information and descriptions in this manual right, without prior notice and does not assume any responsibility. The products described in this manual, may be stored in semiconductor memories or other media on the company or the third party copyrighted software. Legal protection in China and other countries and third-party software vendors of the company exclusive rights for copyrighted software, including distribution, copying of copyrighted software. Therefore in the context of legal provisions is not allowed to modify the software in any way, design, distribution, or copying.

Chapter II   Product description appearance

A, part names and functions
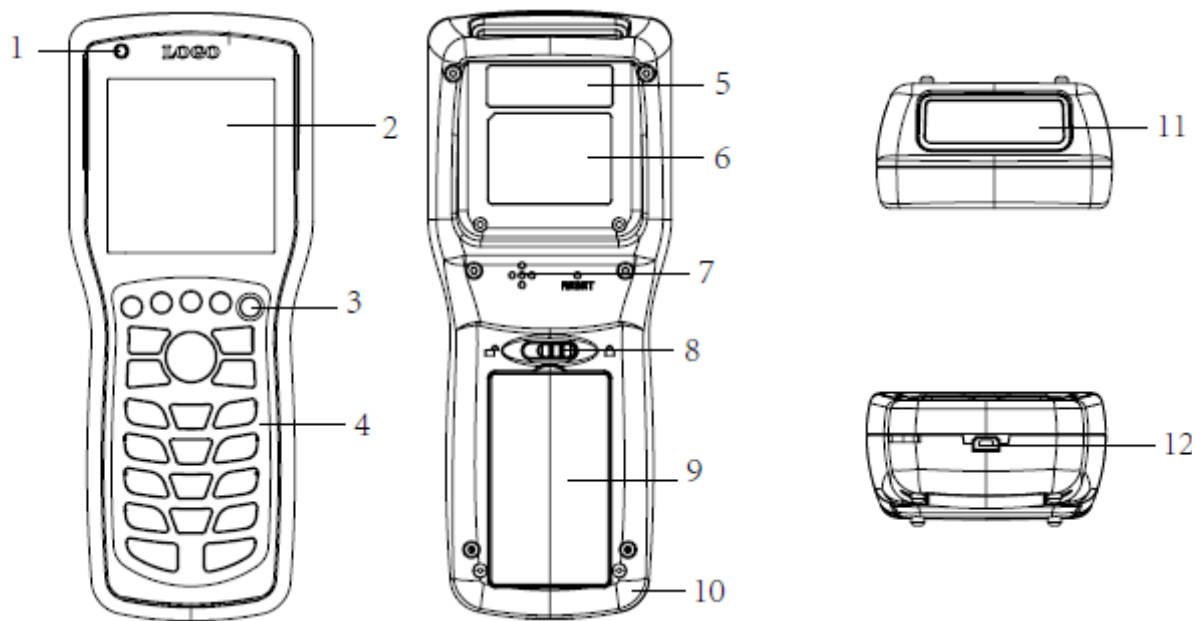
1 , Indicator	Indicates the status of the operation.
2 , LCD monitor	Display a variety of implementation.
3 And the power on key	Control power supply.
4 , Digital key + Function keys + Trigger key	A total of 23 Key for power control, and perform other operations.
5 , Laser warning signs	2 Types of laser warning signs.
6 Location, stickers	Marking products.
7 , Beep-hole	Buzzer sound.
8 And the battery compartment latch	Lock the main battery in the battery compartment.
9 And the battery compartment (underneath the battery cover)	Put the main battery.
10 And lanyard hook	Wandai installed hooks.
11 , Scan window	Launch reading barcode laser window.
12 , Communication interface	To communicate with your computer, or extended system.

B. Keyboard

Figure 1 T5 key layout

2.1 Key instruction

Counting a total of 24 key. Including: 0-9 number key, F1, F2, F3, F4, opening key, scan button, ESC, ENT key, delete key, turn the key and the # key and the up and down keys。

2.2 Key function

0-9 number keys: used to enter numbers for menu function selection and system parameters settings.

Power on key: pressing this key, you hear "tick" sound system switch operation.

Up/down: menu and feature selection state, implement the menu page flip. When you edit, realization of editing text jumps.

SCAN key: barcode input, press the key auto scan bar code entry.

ESC key: Returns the keys. To return to the upper menu.

F1~F4: function key, used to enter displayed on the interface or specific features.

Delete key (←): clear key. Enter the State, you can cancel the last valid input.

ENT button: Enter State, press this key to confirm the input operation is complete.

 # Key: # key to switch input methods.

2.2.1 Input description

Input description compatible with T9 input method. While you're typing, press # to switch input methods. To support Chinese pinyin, English and uppercase and lowercase letters, numeric entries. Input punctuation is Chinese or English mode 1 key input.

【←】：To delete the last entered content

【ENT】：Sure you enter phonetic words or

【1】：When numbers are entered as the number 1, press 1 to enter the decimal point; when another input method for character input, click Enter a comma, semicolon, space bar, minus sign, parentheses, decimal, number 1

【2-9】：Phonetic alphabets, numbers that can be entered, and activates when the word, select the Enter Word

【0】：When numbers are entered as the number 0, and other input methods for the SPACEBAR, click to enter the number 0

【#】：Switch input method

【▼/▲】：Choose Ruby or terms, page down/up

C, battery systems and real time clock

1.Battery：

This collector recommends dual AA/5, Ni-MH rechargeable batteries, rechargeable battery recycling. First three charging time required for more than 12 hours, and to fully discharge. Regular charging time is 8 hours. Improper battery placement method causes the machine will not turn on or charge. When the battery is installed, in accordance with the battery compartment battery polarity marked on the base of installed correctly.

2．Disassemble battery：
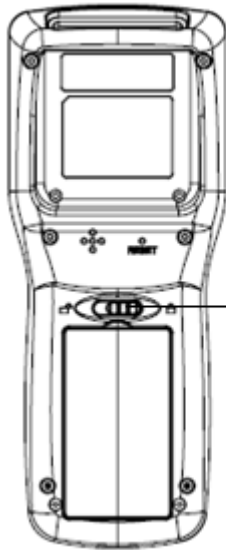
Removable battery: the battery latch Note: slide latch to the left to open the latch, and sliding buckle is locked to the right battery.　Slide latch to the right, should not force the battery cover on the box, or it will crush the latch! Open the battery lock, you can detach the battery cover so that you can remove the battery;

3. Built-in clock: date of the device has a built-in clock function. When using the machine for the first time, required after power on setting the date and time. After removing the battery you need to set the time again.

D, wireless signal receiver

Base station as the following diagram, connected to the computer through the USB port, Plug and play, no driver installation.
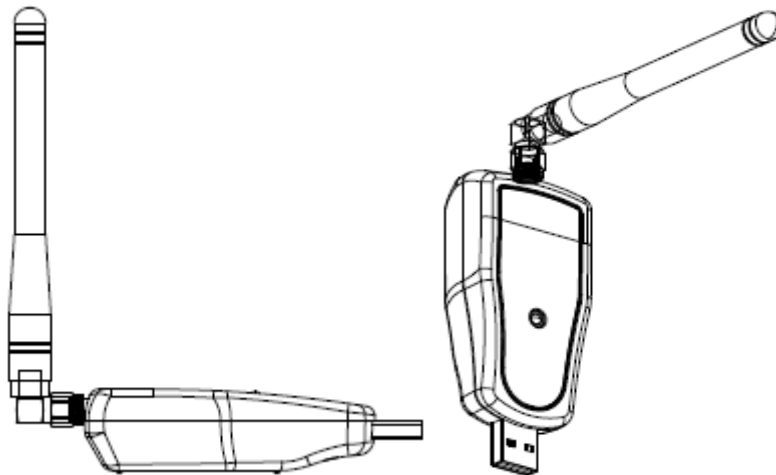
E, Scan Barcode method

Scanning laser the right way and the wrong way to read bar codes：

Right：

Wrong：

Chapter III   application and software operating instructions

1, Application Instruction

T5 Counting machine is mainly for small and medium enterprises, company, store, shop, warehouse barcodes, such as an information-gathering tool. Business features include: serial number management, inventory management, data acquisition, terminal management, barcode detection, cable, wireless barcode scanning bar codes, browse data, calculator. Basic functions: a barcode can identify common. Export formats: TXT, and EXCEL.
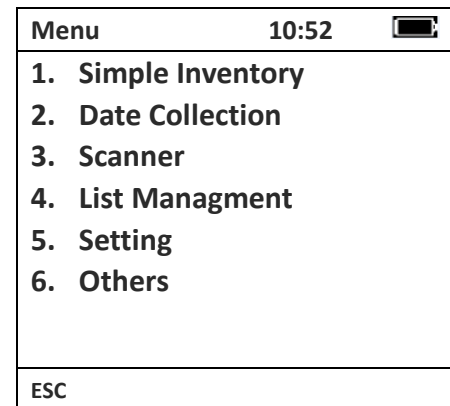
3, main menu introduction

3.1 Starting up window

```
        10:52         ▭

      2011-02-24

         [LONGSYS logo]

    Welcome to Longsys!
      www. longsys. cn
        T5 V2.3.328



                         Go
```

Instructions: 1. turn on the main interface, press the right key to begin to enter the main menu interface.

3.2　Main Menu

```
 Menu              10:52      ▭

 1.   Simple Inventory
 2.   Date Collection
 3.   Scanner
 4.   List Managment
 5.   Setting
 6.   Others


 ESC
```

Note: 1. Select the numeric keys to enter the appropriate functionality.

4, Function instruction

4.1 Simple Inventory

Direct counting is a single barcode and quantity of statistics, record collecting time, product information will not be displayed above the machine counted. Direct inventory build up 100 warehouses.

```
Menu              13:32    ▭
1.New House
2.House List
3.House Delete
4.Generate Txt
5.Setting

ESC
```

Notes: 1. directly on the interface, such as the inventory management menu, press the corresponding number key to enter a submenu submenu. "New warehouse" to manually enter up to 10 characters, 20 characters, or scan a bar code warehouse name entered. Warehouse name entered after you press the Enter key after entering the inventory interface directly as indicated in 4.1.1. 2. "the list of warehouses," query all warehouse information, displayed under the warehouse inventory barcode number and count the total number. Press the F1 key to modify the warehouse name, press F4 and then scan or manually enter the warehouse can access the corresponding warehouse inventory interface directly, such as the figure on the right. 3. "delete the warehouse," individual deletes all data warehouse. Press F4 to search the warehouse that you want to delete. 4. the "generate export files" will all the warehouse inventory barcode number and generate txt text documents directly through u-disk mode to copy backup computer. 5. "inventory settings" settings for scanning the bar code number is increased directly after 1.

4.1.1 Simple Inventory

```
Menu              13:32    ▭
        House1
1.Inventory
2.Inventory List
3.Wireless Export
4.Date Clear


ESC
```

```
Inventory          13:32    ▭
Barcode(S):69107053053459
_____

Quantity:6
Rec Total:9
Total Number:23
Date/Time:
  2013/11/11   13:32:37
ESC        123        Qty
```

Instructions: 1. direct counting on interface such as, counting interface can directly display the barcode number, total number of bar codes, counting total number of counting time. Quantity counted right-you can enter and select to add or overwrite an existing number. 2. "inventory list" query inventory information, display inventory barcode and quantity counted. Press the right key to search bar displays. 3. the "export data wireless" link wireless base station to your computer, open the PC-side text, number of machines scan a bar code and wireless transmission to a computer terminal. 4. "counting empty" current warehousing all inventory information below empty.

4.2 Data Collection

```
Menu            10:52   ▭
1.New List
2.View List
3.List Delete
4.Attribute Setting
5.Switch
6.Generate Txt
Default for New list
ESC
```

Description: 1. the "new documents" you can manually enter up to 10 characters, 20 characters, enter a document name or scan the barcode. Warehouse name entered after you press the Enter key after entering the serial number capture interface, as shown in 4.3.1. 2. the "document list" query all documents information page, showing total inventory bar code under the document. Press the F1 key to modify the documents name, press F4 to scan or manually enter document name after entering the corresponding documents, namely serial acquisition interface. 3. "documents removed" a single delete all data warehouse. Press F4 to search the warehouse that you want to delete. 4. "set the default property name" default property name for all new documents be property names. Can set up to 5 properties fields. 5. "anti-weight code switch settings default" default anti-weight code switches, anti-weight codes valid for all new documents. 6. the "generate export files" all documents collect serial number barcode and directly generate txt text documents through u-disk mode to copy backup computer.

4.2.1 Date Collection--List

```
Menu            10:52   ▭
        List1
1.Date Collection
2.Collection List
3.Wireless Export
4.Attribute Setting
5.Switch
6.Data clear
ESC
```

Notes: 1. "serial number acquisition" is as follows in Figure 4.3.2 shows. 2. "Serial number acquisition list" displays collection of product bar codes. Press the right key to collecting bar code scan query information, as shown in Figure 4.3.2. 3. "Data export" documents capture bar code serial number via the base station receiver wireless transmission to a computer terminal. 4. the "property name" 5 user customizable settings property name, displayed below the barcode serial number acquisition when, as in Figure 4.3.2 brands, styles, colors, and so on. 5. "Anti-weight code switch settings" switch, the same bar code can only be recorded once; close switch, the same bar code allows the entry several times. 6. "Data cleansing" clear note all of the following data collection.

4.2.2 Data Collection

```
┌─────────────────────────────────┐
│ 12              10:52      ▬     │
│ Barcode：356409045134204         │
│                                  │
│ Brand：HTC                       │
│                                  │
│ Style：G7                        │
│                                  │
│ Color：white                     │
│                                  │
│ Place of production：Taiwan      │
│                                  │
│ ESC     ▲    123   ▼     Enter   │
└─────────────────────────────────┘
```

Notes: 1. "serial number collection" bar bar, press the SCAN key scan barcode (barcode all of the following properties can be used to scan the bar code input). 2. bar codes the following properties can be entered manually or scan, you can also enter from the dictionary. To move the cursor from column properties, press the F3 key to dictionary appears, up and down keys to select a preset field, press the Confirm button you choose the corresponding Dictionary field.

4.2.2.1 Collection List

```
┌─────────────────────────────────┐
│ List            10:52      ▬     │
│ 1.356409045134204                │
│ 2.6978475734482                  │
│ 3.6987428372303                  │
│ 4.6982234124323                  │
│ 5.6987883423746                  │
│ 6.6912367542343                  │
│ 7.6956432312775                  │
│ ESC                   ▼Search    │
└─────────────────────────────────┘
```

```
┌─────────────────────────────────┐
│ List            10:52      ▬     │
│              1/10                 │
│   2013/11/10  12:24:50           │
│ Barcode：356409045134204         │
│ Brand：HTC                       │
│ Style：G7                        │
│ Color：white                     │
│ Place of production：Taiwan      │
│ ESC     ▲         ▼      Delete  │
└─────────────────────────────────┘
```

Notes: 1. "serial number acquisition list" shows the product serial number barcode and properties collection. Press the right key to scan the barcode barcode query collected information, press the up and down keys to select view different product information, right click to delete the current page information.

4.3 Scanner

```
Menu              10:52      ▬

1.Wireless bargun
2.Wire bargun




ESC
```

Notes: 1. "wireless bar code gun" is as follows in Figure 4.4.1. 2. "wired barcode gun" is as follows in Figure 4.4.2.

4.3.1 Wireless bargun

```
 ▼ıl              10:52      ▬

          Wireless bargun

Barcode(S)： 6987654356754
_____

To Send Num： 0
Sent Num： 13


[F1]View

ESC        123       Enter
```

Instructions: 1. connect the base station to a computer, open text, the input settings for the English input method, scan a bar code, through the bar code on the base station to the text. Number has been sent to sent to the base station on the success of the bar code number. Each time you enter the interface, the number 0 has been sent, waiting to be sent the barcode number refers not to send. Waiting to be sent the barcode can press the F1 key to browse.

4.3.2 Wire bargun

```
Scanner          10:52      ▆

Connected Working…

Barcode（S）_____
_____

ESC          123
```

Instructions: 1. connect the USB data cable, and after entering the wired barcode scanning functionality, interface prompts work correctly. 2. open the computer files, the input settings for the English input method, press the SCAN key scan a bar code, that is being scanned barcode entered at the cursor display, enter barcode automatically skips upon completion, to continue rescanning the barcode input.

4.4 List Managment

```
Menu          10:52      ▆
1.List Import/Export
2.List Clear




ESC
```

Notes: 1. "import/export data" import/export data format or Excel tables to txt text. Import data for product information, inventory search by scanning bar codes can be corresponding product specification. Exporting directly for product information, inventory information, databases, inventory information, serial number acquisition list. 2. "delete data" enter a password into the delete data interface to remove direct counting data, inventory data, delete the database, delete all delete product information serial number documents. Note: deleted data cannot be recovered.

4.5 Setting

The password for setting is 112233.

```
Setting          10:52    ▭
1.System Info
2.System Setting
3.Inventory Setting
4.Wireless Setting
5.Spec Setting
6.Dict setting
7.U Disk
8.App Update
9.Recover Setting
ESC           ▼
```

Description:

1. the "system information" shows the host firmware version, application and device serial number. **2.** the "system settings" system setup in Figure 4.6.1.

3. "inventory settings" is as follows in Figure 4.6.2. **4.** the "wireless settings" to set up a wireless base station channel (frequency of 0~5), set the address (channel 0~255), base-station frequency after the replacement, need to reset the base station frequencies, wireless channel with native be paired if the addresses are the same. After Setup is complete the wireless parameters, connection to the base station, wirelessly send a test, paired successfully completed sending data. **5.** "specification setting" manually setting the specifications, setting is successful, add new product specification correspond to input information will be displayed. **6.** "the dictionary set" set fixed field, input specifications you can press F3 to call. **7.** the "USB mode" machine over a USB connection to your computer, read the txt data generated native machine, for example, the inventory directly, databases, inventory, serial number acquisition lists. **8.** "the update" host firmware update. **9.** "restore factory settings" empty host all the data and settings and restore the factory default settings.

4.5.1 System Setting

```
Setting          10:52    ▭
1.Barcode Setting
2.Export Format
3.Timeout Setting
4.DateTime Setting
5.Language Setting
6.System Unlock
7.Spec Disp Setting
8.Spec Editable
9.Display Contrast
ESC           ▼
```

Notes:

1. "the bar code setup" as described in 4.6.1.1 on the right.

2. the "export settings" Please refer to the figure on the right 4.6.1.2.

3. the "timeout" setting the host timed out enter the standby time.

4. "time settings" sets the host time year month day minutes.

5. "language settings" sets the display language for the machine type is divided into Chinese Simplified and English.

6. "the system to unlock the" lock hosts API data interface.

7. "hide specification set" set hide portions of the specification display. Press the F2 key to select open or closed specifications showed that Spec with * before opening.

8. "the product specifications you can edit settings" when setting up database inventory interface, can modify the specification or description options. Press F2 key to select Enable or disable specification shows that Spec with * before opening.

4.5.1.1 Barcode Setting

```
┌─────────────────────────────┐
│ Srtting      10:52      ▭▭  │
├─────────────────────────────┤
│ 1.Decoder Setting           │
│ 2.Decode Option             │
│ 3.Invalid Bar Length        │
│                             │
│                             │
│                             │
├─────────────────────────────┤
│ ESC           ▼             │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ Decoder      10:52      ▭▭  │
├─────────────────────────────┤
│ *code128       *Code39      │
│ *Code93        *Code11      │
│ *EAN           *CodeBar     │
│ *MSI           *D2/5        │
│ *I2/5          *M2/5        │
│ [F2]Switch Decoder          │
├─────────────────────────────┤
│ ESC      ▲         ▼        │
└─────────────────────────────┘
```

Notes:

1. "encoding type set" set the switch decoder type, for some types of barcode decoding.

2. the "decode options configuration" setting the bar code verification, UPCA bar code and 0, ASCII39 model.

3. "effective length bar code configuration" capture bar code length, display automatically intercepting scan a bar code on the host.

4.5.1.2 Export Format

```
┌─────────────────────────────┐
│ Setting      10:52      ▭▭  │
├─────────────────────────────┤
│ 1.DirectCheck Format        │
│ 2.DB Check Format           │
│ 3.SerialData Format         │
│ 4.WirelessGun Format        │
│                             │
│                             │
├─────────────────────────────┤
│ ESC           ▼             │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ Setting      10:52      ▭▭  │
├─────────────────────────────┤
│ Prefix：  _____            │
│ Suffix：  _____            │
│ Separa：   ⊕                │
│ Ending：   ⊕⊕               │
│ Export 0 quantity：  1      │
│ Export Spec：  1            │
├─────────────────────────────┤
│ Cancel    123      Enter    │
└─────────────────────────────┘
```

Instructions:

1. leading export settings barcode, bar code, separator, terminator suffix, export volume to 0 bar code specifications, export commodities. Leading bar code and suffix settings 4 characters, separator, and terminator setting is 2 characters, set character type is ASCII code value and/,/,/symbols (TAB, carriage return, line keys). Character input method: English letter input mode, press the number 1 key.

2. set whether to export the barcode barcode number is 0, setting of 1 indicates that the export, set to 0 means that no export. 3. database export settings are exported product specifications, set to 1 means that the export, set to 0 means that no export, such as up and down. These settings are mainly for the production of local and wireless data format of the exported file is valid.

4.5.2 Inventory Setting

```
┌─────────────────────────────┐
│ Setting      10:52    ▭      │
├─────────────────────────────┤
│ 1.Float Support             │
│                             │
│                             │
│                             │
│                             │
│                             │
├─────────────────────────────┤
│ ESC           ▼             │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ Setting      10:52    ▭      │
├─────────────────────────────┤
│ 1.Enable input float        │
│     Enable      disable     │
│                             │
│ Note: When you enter a      │
│ decimal allows automatic    │
│ scanning will be forced to  │
│ close an option             │
│                             │
│ Keynum to switch            │
├─────────────────────────────┤
│ Exit                        │
└─────────────────────────────┘
```

Notes:

1. "the number of decimals supported" sets whether the machine supports counted quantity as decimal fractions. When the decimals are allowed, and will be forced to shut down after you scan a bar code inventory number plus 1 function. After you scan a bar code, and manually enter a decimal number, and then select Add or overwrite.

4

4.6   Others

```
┌─────────────────────────────┐
│ Menu         10:52    ▭      │
├─────────────────────────────┤
│ 1.Barcode Detect            │
│ 2.Calc                      │
│                             │
│                             │
│                             │
│                             │
│                             │
├─────────────────────────────┤
│ ESC                         │
└─────────────────────────────┘
```

Notes:

1. "barcode check" test bar code length and type. 4.7.1 as shown in the following figure.

2. the "Calculator" ordinary calculator, 4.7.2 as shown in the following figure.

4.6.1 Barcode Detect

Detect	10:52	▬
Barcode(S): 6910705305345		
Barcode type：		
EAN-13		
Barcode length：		
13		
ESC		**Scan**

Notes:

1. "barcode check" display scan bar code information, display the barcode type and length.

4.6.2 Calculators

Calc	10:52	▬
		150
∗		**2**
=		**300**
=		**300**
＋ ｜ － ｜ ✖ ｜ ÷ ｜ ＝		
ESC	**123**	**ENT**

Instructions:

1. Enter the calculator functions, "+", "-", "x" and "÷" correspond to the F1, F2, F3, F4 on the keyboard function keys, "=" enter key on your keyboard.

2. The calculator calculates the maximum number of digits as the number of 8-bit, over 8-bit number using scientific notation.

5, Export tool instructions

1. Inventory via a USB data cable connection to a computer, entering data management-data import/export--waiting for the host command, computer displays counting letters, tools, interface devices, select the 60M letter.

2. After a successful import, database on the machine count when scanning barcode, barcode displayed corresponds to the product information. Export data export data are divided into three categories: export directly export inventory information, the database export inventory information, serial number acquisition list. To export inventory information directly: 1. modify the exported directly counting the configuration form, you can adjust the export data the number of columns and column order. Properties total number of columns represent the total number of derived columns, and modify the value click on refresh.

Export a database gathering inventory information and serial number information is similar to export inventory information directly.